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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/560,170	04/28/2000	Mark D. Levitt	103-1345.00	3695

7590 03/17/2003  
DAVID R. CLEVELAND  
IPLM GROUP, P.A.  
P.O. BOX 18455  
MINNEAPOLIS, MN 55418

EXAMINER

AHMED, SHEEBA

ART UNIT PAPER NUMBER

1773

DATE MAILED: 03/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/560,170

Applicant(s)

LEVITT ET AL.

Examiner

Sheeba Ahmed

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on 19 December 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☐ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) 1-19 and 28-38 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 20-27 and 39-46 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 11. 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Response to Amendment*

1. Amendments to claim 20 have been entered in the above-identified application. New claims 39-46 have been added. **Claims 1-46 are now pending with claims 20-27 and 39-46 now under consideration.**

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 20, 22-24, 27, 39, and 41-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hamrock et al. (WO 98/11168) in view of Holman et al. (US 6,444,134 B1).

Hamrock et al. disclose a floor finishing system (*corresponding to the strippable laminate finish kit of the claimed invention*) comprising a radiation curable composition and a primer composition (*corresponding to the intermediate coating of the claimed invention*) wherein the primer composition is coatable over a substrate and the radiation curable composition (*corresponding to the topcoat of the claimed invention*) is coatable thereon (Page 6, lines 25-30). The radiation curable coating comprises a polyfunctional isocyanurate and a hydroxyalkyl acrylate (Page 4, lines 21-30). A preferred monomer is shown on Page 5 and contains an aromatic group

***(thus meeting the limitations that the topcoat composition comprises an acrylated urethane or an aromatic urethane).*** The cured, coatable composition is readily strippable from the substrate when the latex primer is present (Page 7, lines 1-3).

Hamrock et al. do not specifically teach that the radiation curable coating (*i.e., the coating corresponding to the top of the claimed invention*) is water borne or that it comprises water.

However, Holman et al. disclose a method of finishing floors wherein the floor may be coated with a water based finish including urethane and acrylic polymers and copolymers and crosslinking agents (Column 2, lines 1, lines 5-6 and Column 2, lines 3-5). Examples of the polymers include aliphatic urethanes, urethane/acrylic polymers and acrylic polymers and these polymers/copolymers are designed for high performance uses, where hardness, flexibility, UV resistance, chemical resistance and abrasion resistance are desired. One specific example of the urethane/acrylic copolymer is a high solids, radiation curable, water-borne formulation by the trade name of NEORAD 3709 (Column 4, lines 11-36).

Accordingly, it would have been obvious to one having ordinary skill in the art to replace the radiation curable coating comprising a polyfunctional isocyanurate and a hydroxyalkyl acrylate, as taught by Hamrock et al., with a water based finish including urethane and acrylic polymers and copolymers and crosslinking agents given that Holman et al. specifically teach that such water-borne coatings exhibit high hardness, flexibility, UV resistance, chemical resistance and abrasion resistance. With regards to

the limitation that the intermediate coating has a stripability rating of 6 or more on a 7 point scale and that the topcoat has a stripability of 4 on a 7 point scale, the Examiner takes the position that such limitations must be met by the coatings taught by Hamrock and Holman given that the chemical composition of these coating and that of the claimed invention are identical.

3. Claims 26, 40, and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hamrock et al. (WO 98/11168) in view of Holman et al. (US 6,444,134 B1) and Lake (US 5,571,570).

Hamrock et al. and Holman et al., as discussed above, do not teach that the topcoat composition is an aliphatic polyester urethane.

However, Lake discloses a UV curable topcoat composition that exhibits superior flexibility, durability, thermal stability, crack resistance, chemical resistance, stain resistance and weather resistance and comprises a blend of an acrylated aliphatic polyester urethane (Column 2, lines 28-38 and Claim 9).

Accordingly, it would have been obvious to one having ordinary skill in the art to replace the topcoat composition disclosed by Hamrock et al. and Holman et al. with the composition disclosed by Lake given that Lake teach that their composition exhibits superior flexibility, durability, thermal stability, crack resistance, chemical resistance, stain resistance and weather resistance.

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4. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hamrock et al. (WO 98/11168) in view of Holman et al. (US 6,444,134 B1) and Koreltz et al. (WO 94/22965).

Hamrock et al. and Holman et al., as discussed above, do not teach that the floor finishing system (***corresponding to the strippable laminate finish kit of the claimed invention***) further comprises a strip agent.

However, Koreltz et al. disclose compositions used to strip coatings such as floor finishes and/or greasy residues from surfaces such as floors and the composition is effective in removing multiple coatings comprising urethane/acrylic polymers (Page 1, lines 5-9 and Page 3, lines 35-37).

Accordingly, it would have been obvious to one having ordinary skill in the art to add the strip composition disclosed by Koreltz et al. to the floor finishing system disclosed by Hamrock et al. given that such compositions can be used to remove multiple coatings comprising urethane/acrylic polymers.

5. Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hamrock et al. (WO 98/11168) in view of Holman et al. (US 6,444,134 B1) and Scarlette (US 6,399,689 B1).

Hamrock et al. and Holman et al., as discussed above, do not teach that the topcoat composition is an aromatic urethane.

However, Scarlette discloses a UV curable coating comprising an acrylic or urethane resin (Column 2, lines 3-17) and wherein the coating maybe used as a floor

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finishing composition for providing coatings with enhanced abrasion resistance without comprising other functionally significant properties such as flexibility, hardness and adhesion (Column 3, lines 37-42). Examples 1 shows that the resin may be an acrylated aromatic urethane.

Accordingly, it would have been obvious to one having ordinary skill in the art to replace the topcoat composition disclosed by Hamrock et al. with the composition disclosed by Scarlette given that Scarlette specifically teach that the coatings maybe used as a floor finishing composition for providing coatings with enhanced abrasion resistance without comprising other functionally significant properties such as flexibility, hardness and adhesion.

### ***Response to Arguments***

6. Applicant's arguments with respect to claims 20-27 and 39-46 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

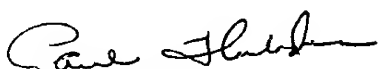
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheeba Ahmed whose telephone number is (703)305-0594. The examiner can normally be reached on Mondays and Thursdays from 8am to 6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Thibodeau can be reached on (703)308-2367. The fax phone numbers for the organization where this application or proceeding is assigned are (703)305-5408 for regular communications and (703)305-3599 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)306-5665.



Sheeba Ahmed  
March 3, 2003

  
Paul Thibodeau  
Supervisory Patent Examiner  
Technology Center 1700